

Severe local storms, March, 1928—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Denver, Colo.	25	P. m.			\$10,000	Wind	Plate-glass windows, trees, walls and signs damaged; minor damage to homes, wires and automobiles.	Official, U. S. Weather Bureau.
Julesburg, Colo.	25	4:30 p. m.			5,000	do.	Property of all kinds damaged.	Do.
Bonifay, Fla. (north of)	25	8 p. m.	5 mi.			Hail	Considerable damage to gardens, early cotton and watermelons.	Do.
Cherokee County, Ga.	26	10:30 p. m.		5	15,000	Small tornado	Two residences, a few barns and numerous trees blown down; several persons injured.	Do.
Grand Haven, Mich.	26					Rain, wind, and sleet.	Many poles blown down; communication interrupted.	Do.
Ohio	26					Thunder storms	Severe and destructive; character of damage not reported.	Do.
Seattle, Wash., and vicinity	26			1		Wind	Considerable property damage.	Do.
Spring Hill and McMinnville, Tenn.	26					High winds	Several buildings unroofed; warehouse wrecked.	Do.
Spartanburg, Union, and Cherokee Counties, S. C.	26-27				3,000	Severe wind-squalls.	Character of damage not reported.	Do.
Sunbeam, Colo.	27	1-1:20 a. m.				Winds	Corrals, weather shelter, windmill, and small building damaged.	Do.
Birmingham, Ala. (15 miles north of)	29	6:30 p. m.		4	35,000	Tornado	25 to 50 houses destroyed, also a dozen camp cabins and many outbuildings and other property; 16 persons injured.	Do.
Nashville, Tenn.	29		880		2,500	Hail and electrical	Windows broken and greenhouses damaged; lightning disabled 1,000 telephones.	Do.
Indiana and Ohio (northern halves)	29-30				1,500,000	Glaze	Widespread damage to wire systems, trees and other property.	Do.
Rock Hill, S. C.	30	7:30 a. m.	200		6,000	Wind and thunderstorms	Many buildings unroofed; others damaged; trees uprooted.	Official, U. S. Weather Bureau; observer (Charlotte, N. C.).
Norfolk, Va., and vicinity	30				25,000	Wind	Large dairy barn collapsed, injuring 2 persons; other minor damage.	Official, U. S. Weather Bureau.

## RIVERS AND FLOODS

By H. C. FRANKENFIELD

The only serious flood of the month occurred in the Sacramento River and its tributaries except the upper San Joaquin River. A description of this flood will be found on page 100.

As will be seen from the table following, there were no floods of much consequence apart from those in California, and a moderately high one in the Black Warrior and lower Tombigbee rivers of Alabama. Warnings were issued as required, and the only losses reported were in the Tombigbee and Black Warrior Valleys. These amounted to \$21,600, offset by a saving through the warnings of \$27,100.

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC DRAINAGE					
	<i>Feet</i>			<i>Feet</i>	
Unadilla: New Berlin, N. Y.-----	8			9.2	Mar. 27.
Chenango: Sherburne, N. Y.-----	8	26	27	8.5	Do.
Lynches: Effingham, S. C.-----	14	1	1	14.3	Mar. 1.
Santee:					
Rimini, S. C.-----	12	(1)	5	15.2	Feb. 27.
		14	21	13.0	Mar. 16-17.
Ferguson, S. C.-----	12	(1)	8	13.6	Feb. 28-29.
		15	27	12.7	Mar. 23-25.
Altamaha:					
Charlotte, Ga.-----	15	(1)	1	16.0	Feb. 27.
		12	23	17.4	Mar. 19.
Everett City, Ga.-----	10		25	10.0	Mar. 22-25.
Ocmulgee: Abbeville, Ga.-----	11		15	11.0	Mar. 14-15.
EAST GULF DRAINAGE					
Tombigbee: Lock No. 4, Demopolis, Ala.	39	13	26	49.6	Mar. 22.
Black Warrior: Lock No. 10, Tuscaloosa, Ala.	46	17	18	50.0	Mar. 17.
West Pearl: Pearl River, La.-----	13	15	18	14.3	Mar. 16.
		22	25	13.4	Mar. 23-24.

1 Continued from last month.

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI DRAINAGE					
Allegheny: Lock No. 5, Freeport, Pa.	Feet 24	31	(?)	Feet 24.3	Mar. 31.
Tuscarawas: Gnadenhuttten, Ohio.	9	15	15	10.3	Mar. 15.
		31	(?)	11.4	Mar. 31.
Scioto: Larue, Ohio.	11	30	30	11.3	Mar. 30.
Tippecanoe: Norway, Ind.	6	2	2	6.0	Mar. 2.
		5	6	6.1	Mar. 5-6.
		11	12	6.3	Mar. 12.
		14	14	6.1	Mar. 14.
White, West Fork: Anderson, Ind.	12	31	31	12.0	Mar. 31.
Elk: Fayetteville, Tenn.	14	9	9	16.2	Mar. 9.
Wisconsin:					
Knowlton, Wis.	12	24	27	16.7	Mar. 24.
Wisconsin Rapids, Wis.	12	26	26	12.0	Mar. 26.
Big Sioux: Akron, Iowa.	12			13.4	Mar. 13.
Illinois:					
Peru, Ill.	14	(1)	6	20.0	Dec. 18-19.
		16	24	14.3	Mar. 17-19.
Havana, Ill.	14	(1)	3	18.1	Dec. 19.
Beardstown, Ill.	14	(1)	6	19.3	Dec. 16-18.
Black: Corning, Ark.	11	(1)	2	11.7	Feb. 27-28.
		18	25	11.5	Mar. 20.
Tallahatchie: Swan Lake, Miss.	25	16	(1)	29.4	Mar. 25-26.
WEST GULF DRAINAGE					
Trinity: Trinidad, Tex.	28	(1)	1	33.8	Feb. 27.
PACIFIC DRAINAGE					
Sacramento:					
Red Bluff, Calif.	23	27	27	26.9	Mar. 27.
Hamilton City, Calif.	22	28	28	22.0	Mar. 28.
Knights Landing, Calif.	18	26	31	19.2	Mar. 28-30.
Sacramento, Calif.	29	26	26	29.5	Mar. 26.
Tuolumne: LaGrange, Calif.	8	26	26	8.0	Mar. 26.
Mokelumne: Bensons Ferry, Calif.	12	27	29	13.8	Mar. 28.
Willamette:					
Eugene, Oreg.	12	12	12	12.5	Mar. 12.
Harrisburg, Oreg.	7	11	14	13.1	Mar. 12.
		27	(1)	9.3	Mar. 31.
Willamette, Coast Fork: Saginaw, Oreg.	9	11	11	9.1	Mar. 11.
Santiam: Jefferson, Oreg.	10	11	12	13.5	Mar. 12.
		31	31	10.4	Mar. 31.

1 Continued from last month.

2 Continued at end of month.

3 Estimated.